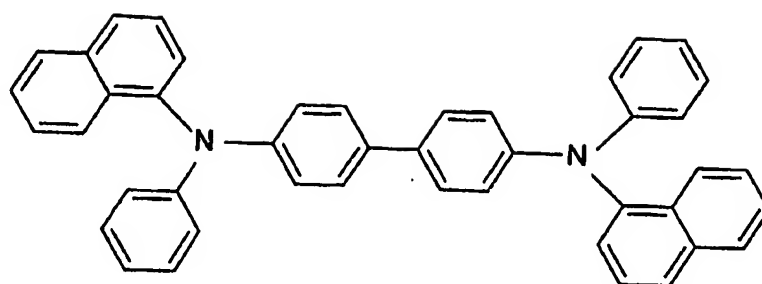
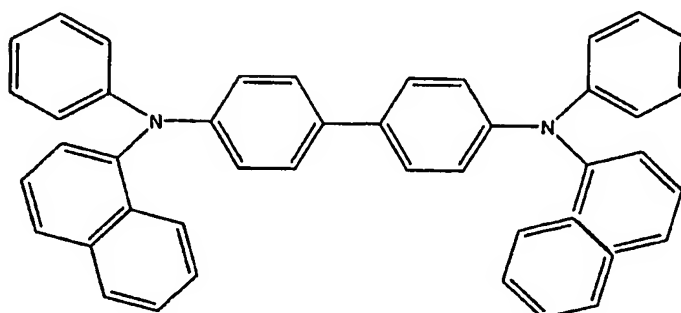
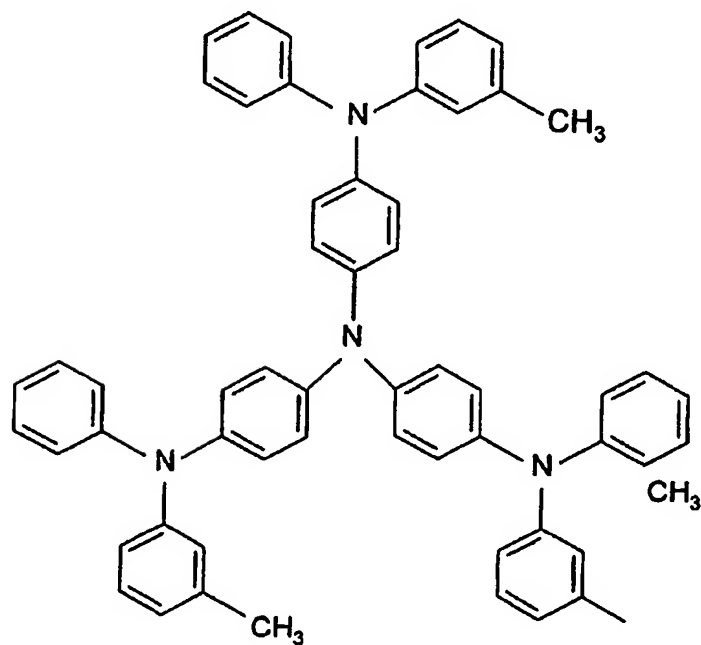


1/23

 α -NPB β -NPD

mTADATA

Fig. 1

2/23

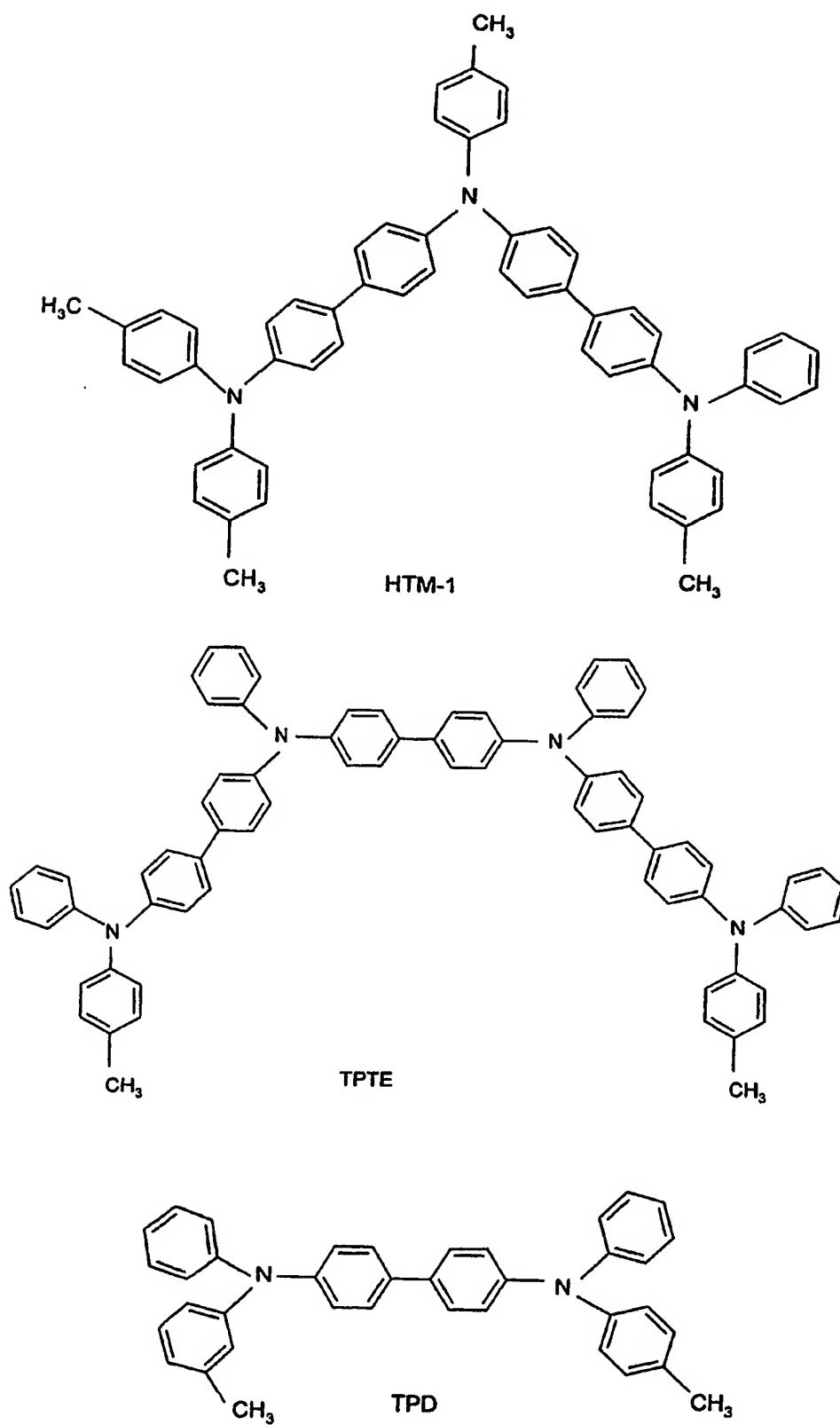


Fig. 2

3/23

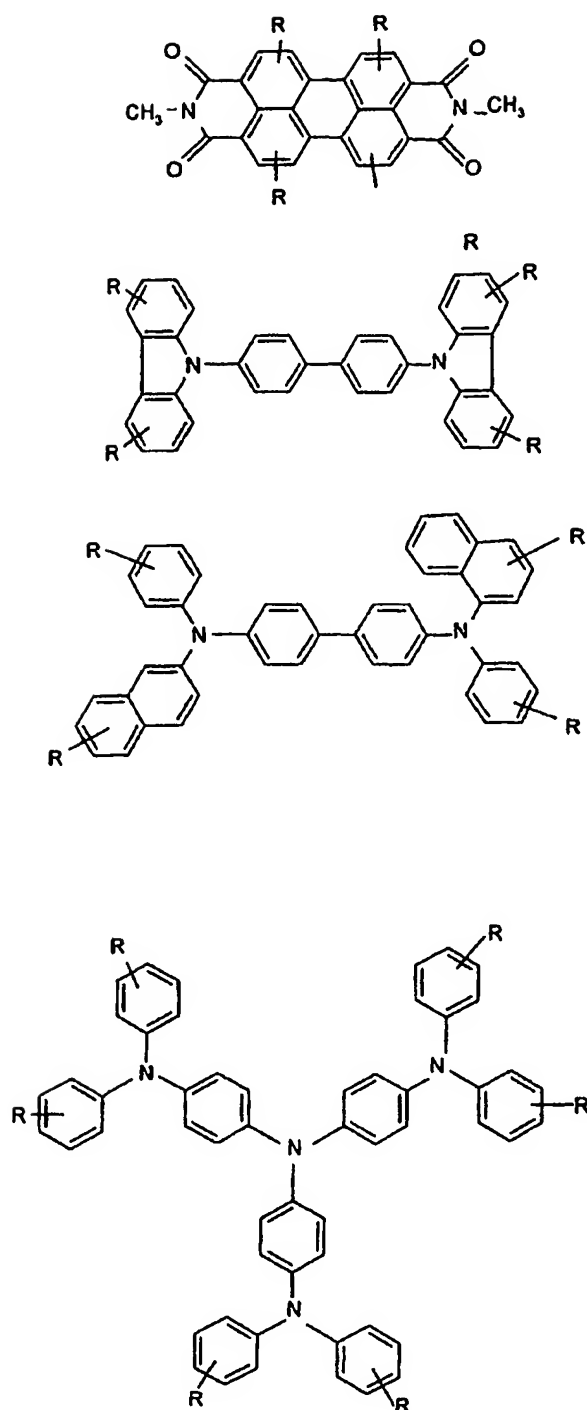


Fig. 3

4/23

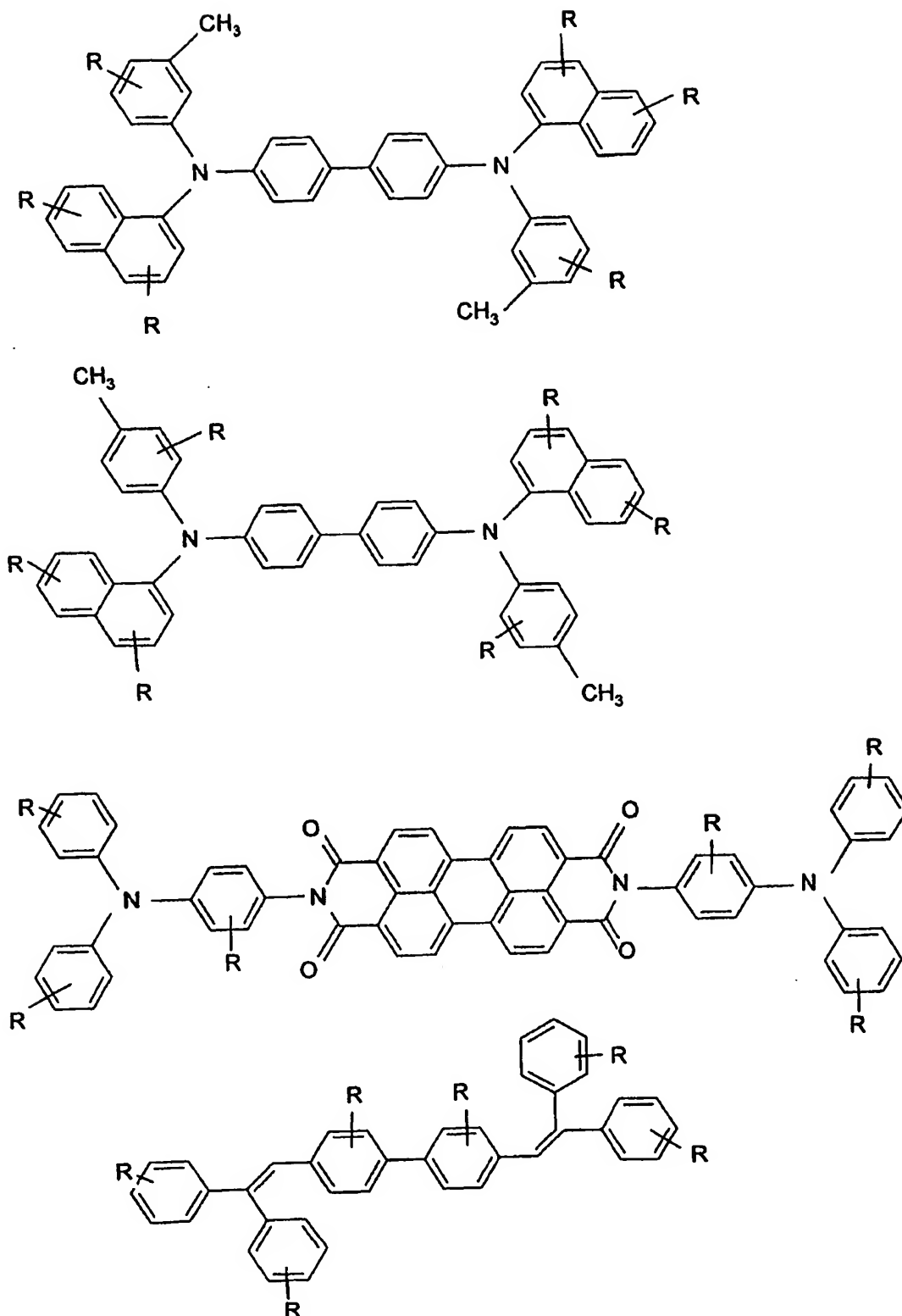


Fig. 4

5/23

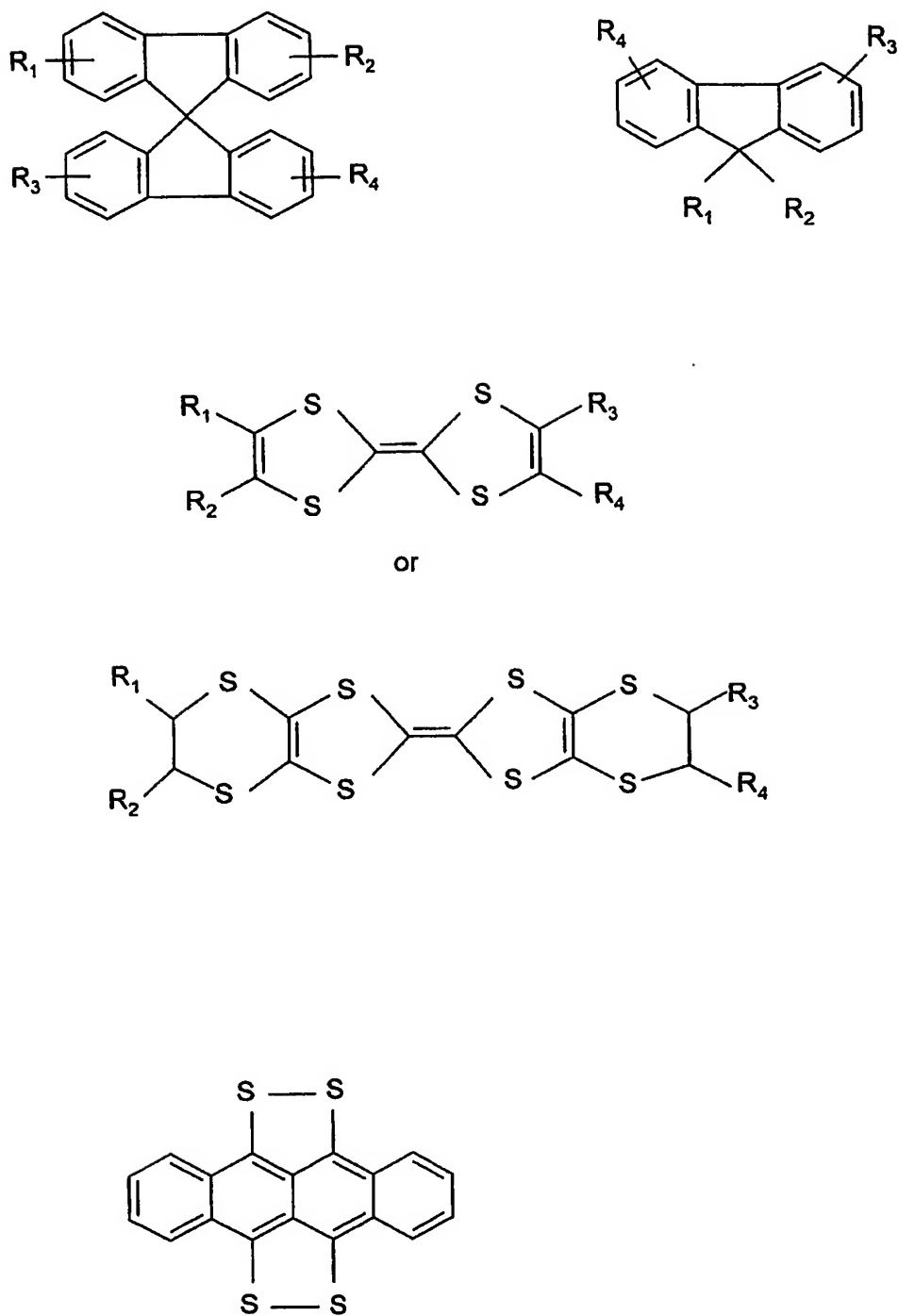
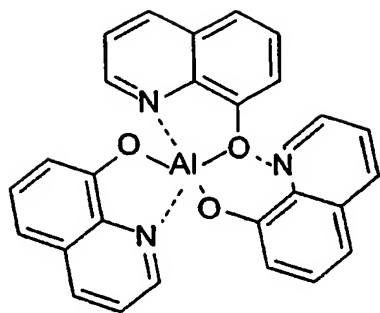
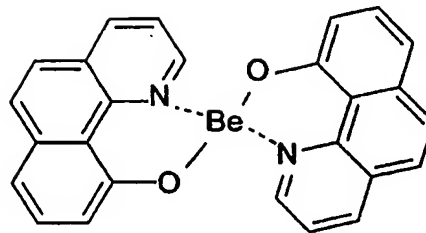


Fig. 5

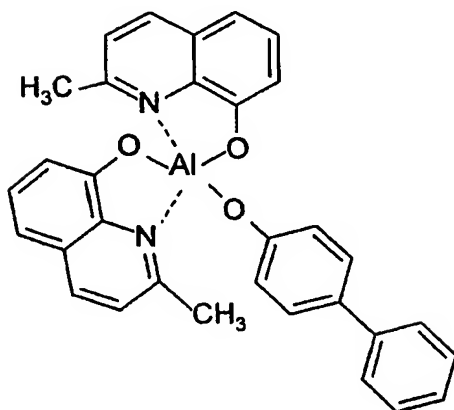
6/23



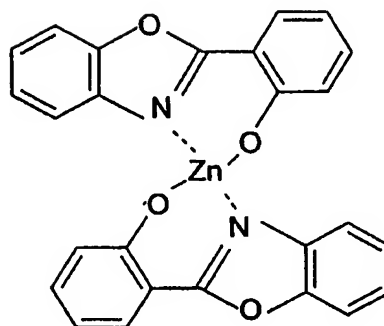
Alq



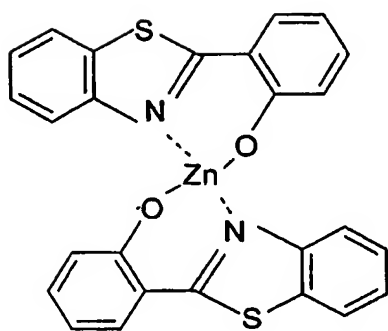
Bebq



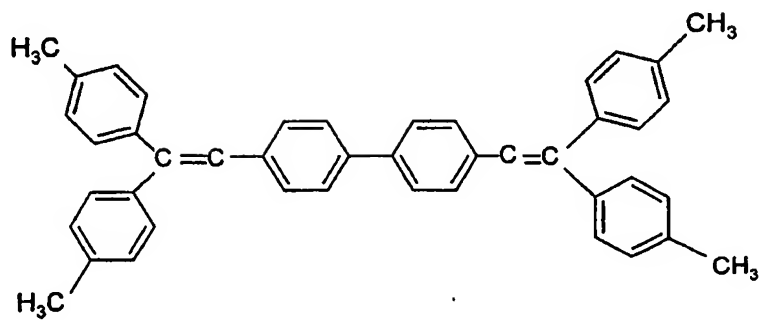
BAlq1



ZnPBO



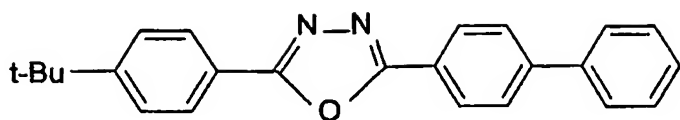
ZnPBT



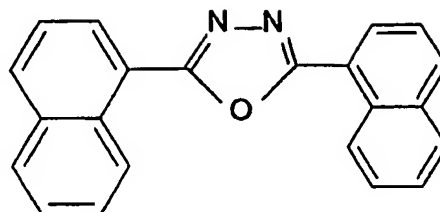
DTVb1

Fig. 6

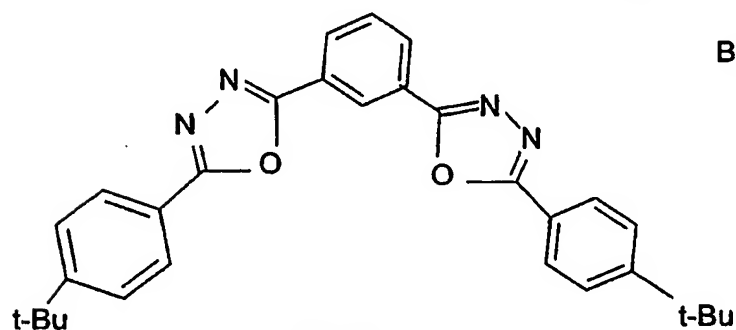
7/23



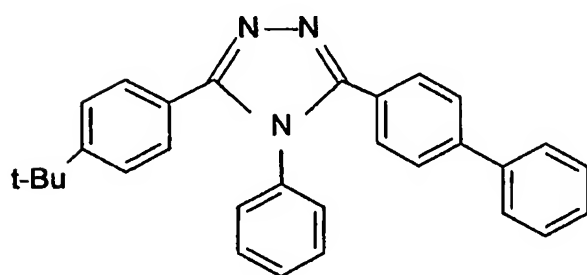
t-Bu-PBD



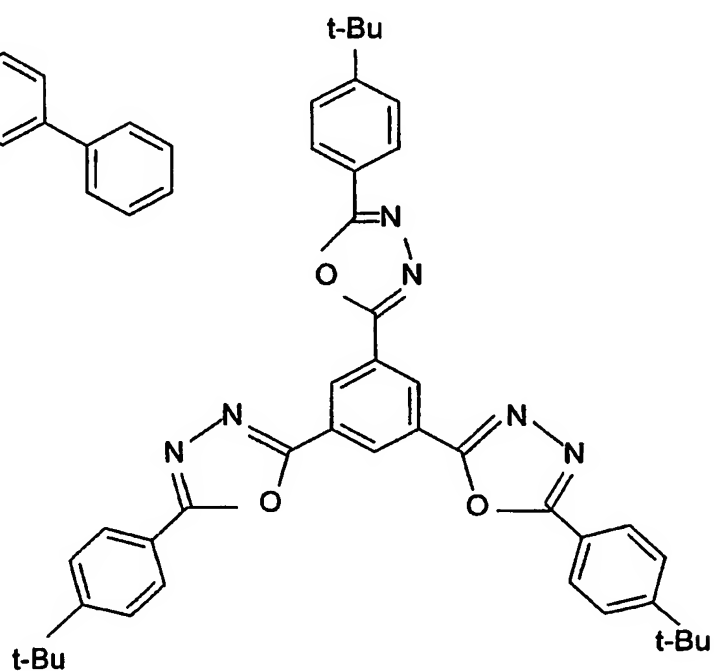
BND



OXD-7



TAZ



OXD-Star

Fig. 7

8/23

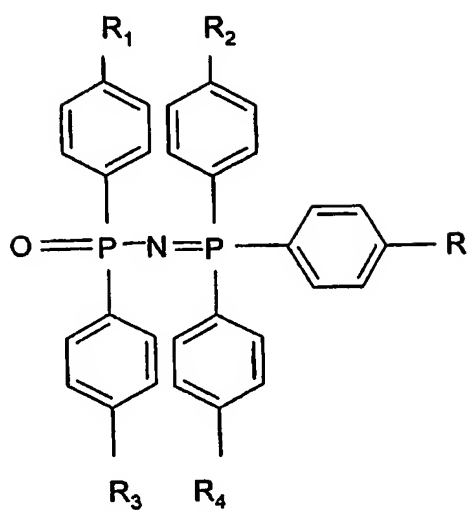


Fig. 8

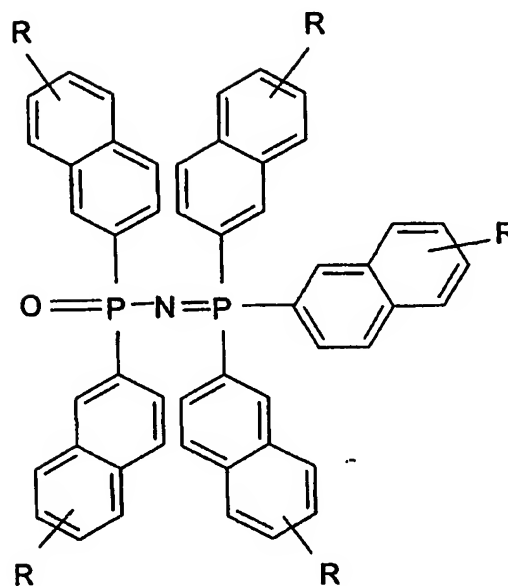


Fig. 9b

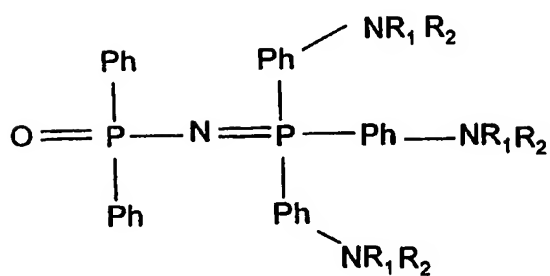


Fig. 9a

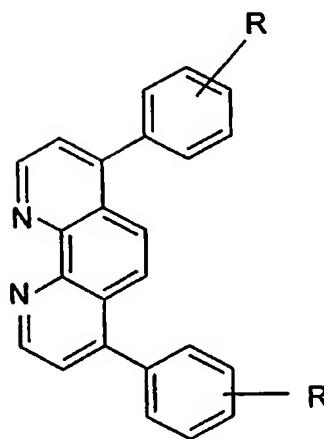


Fig. 10

9/23

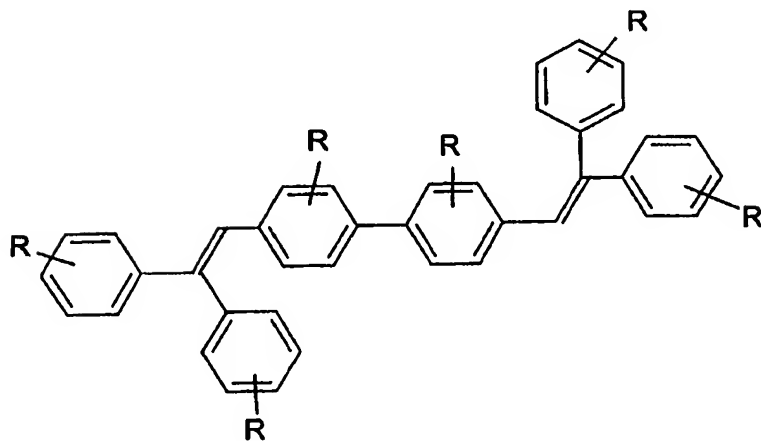
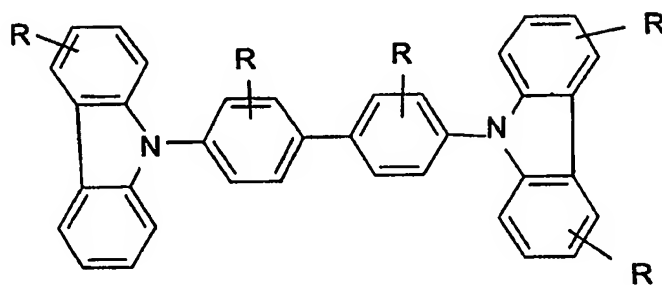
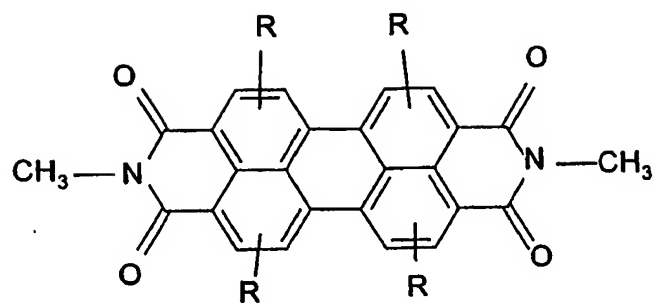


Fig. 11a

10/23

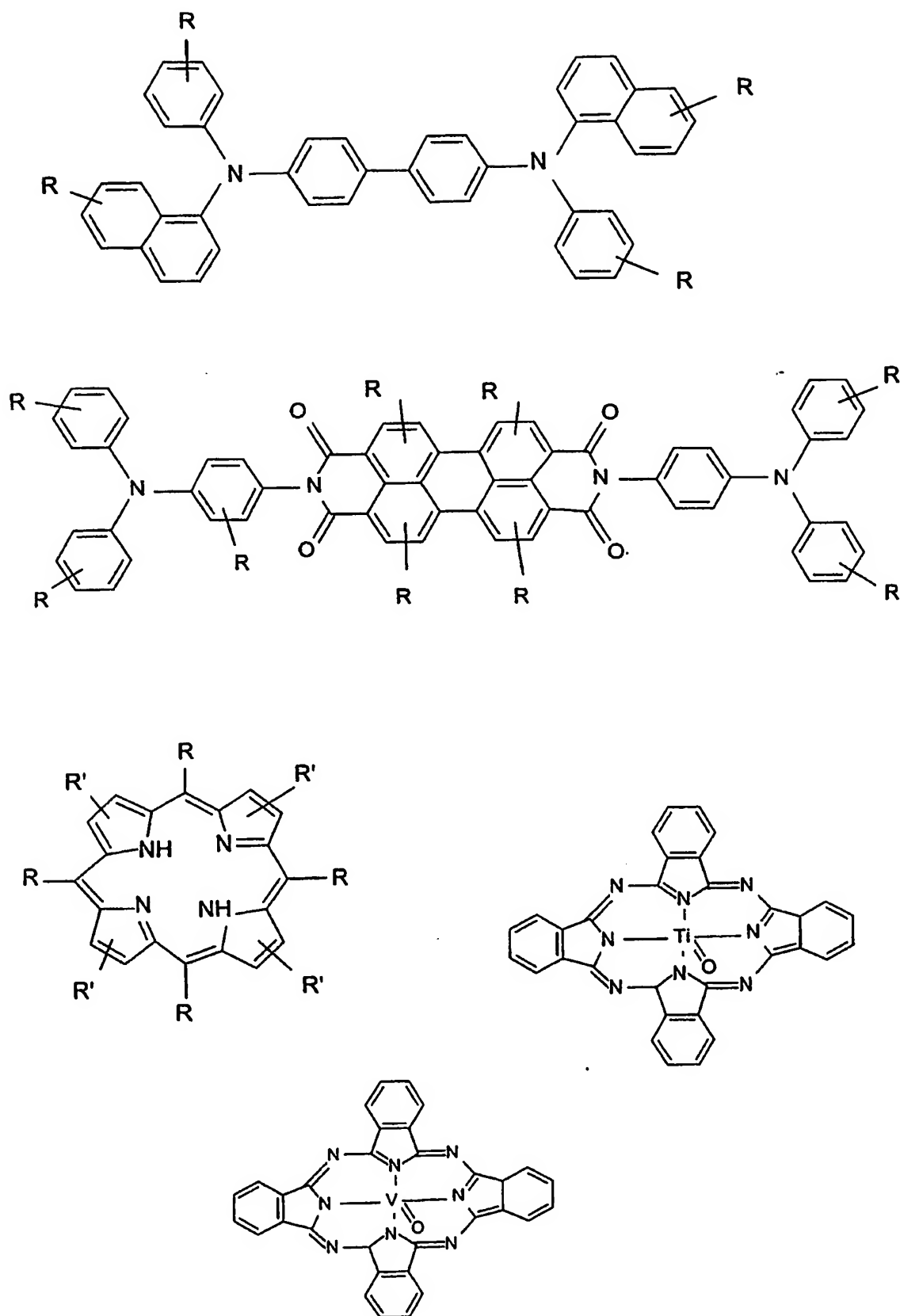


Fig. 11b

11/23

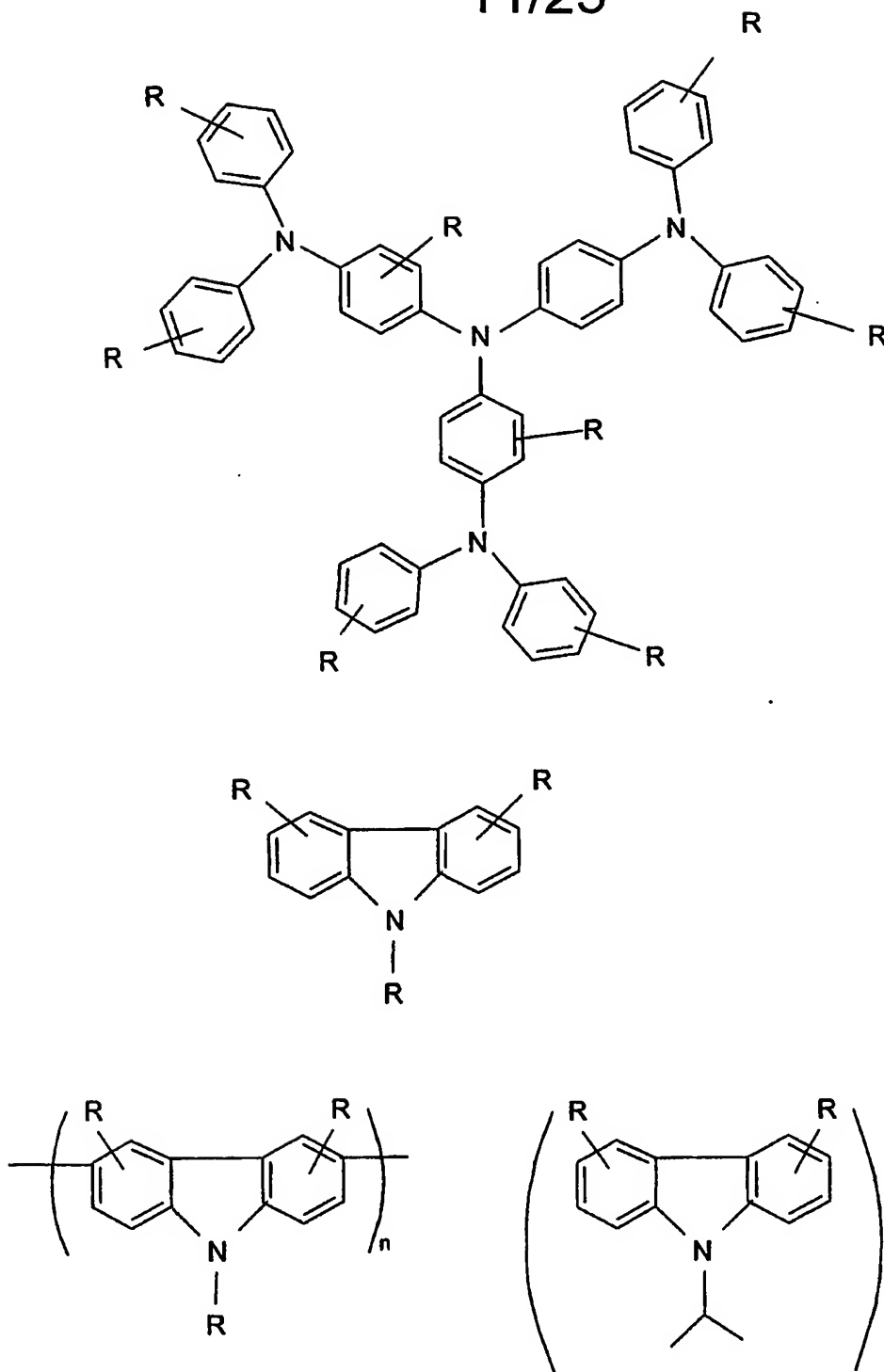


Fig. 11c

12/23

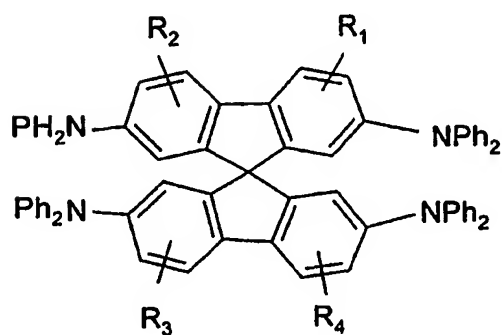
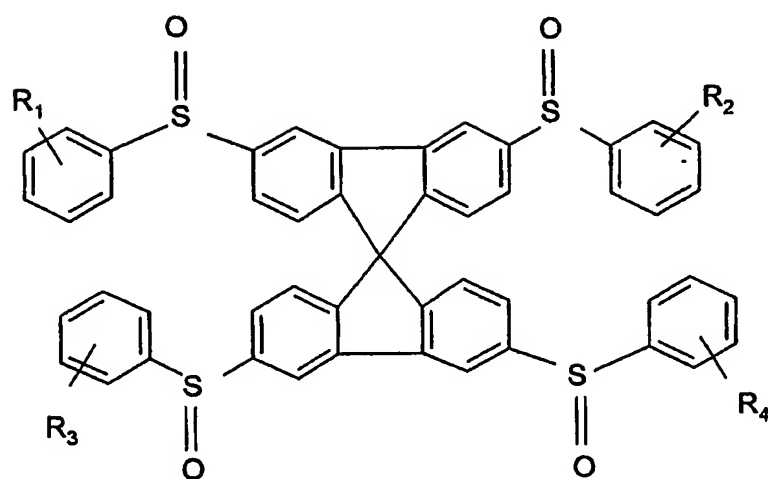
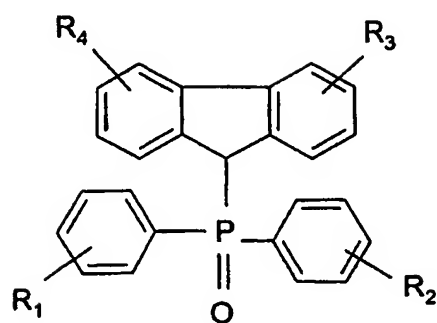
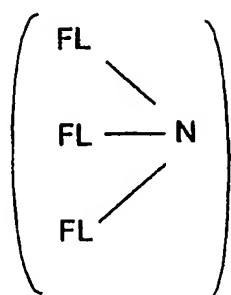


Fig. 12a

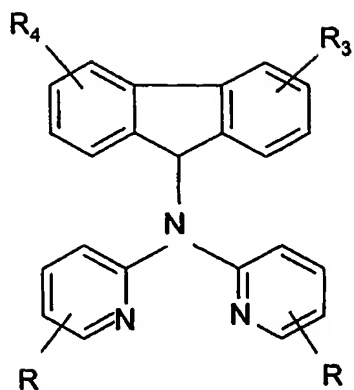


Fig. 12b

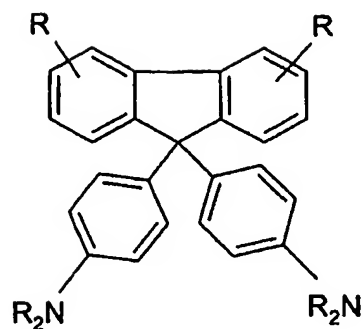


Fig. 12c

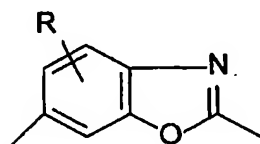


Fig. 13a

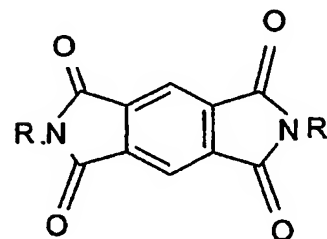


Fig. 13b

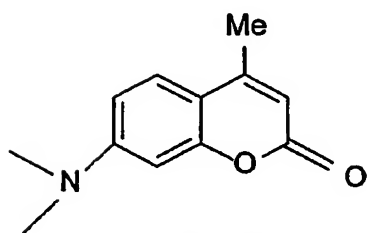


Fig. 13c

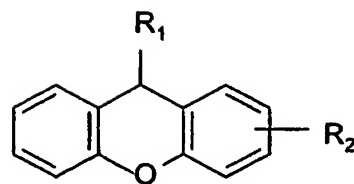


Fig. 13d

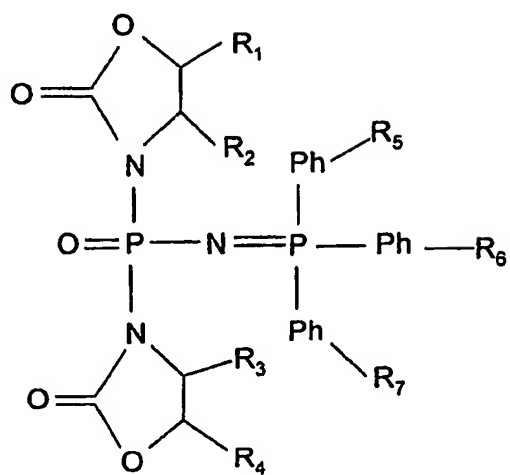


Fig. 13e

14/23

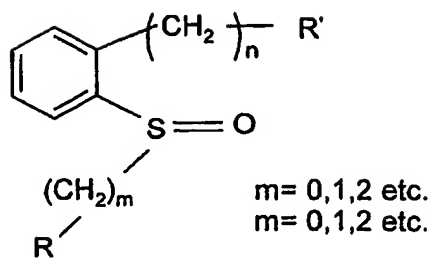
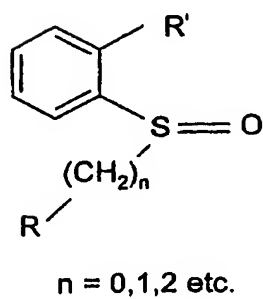
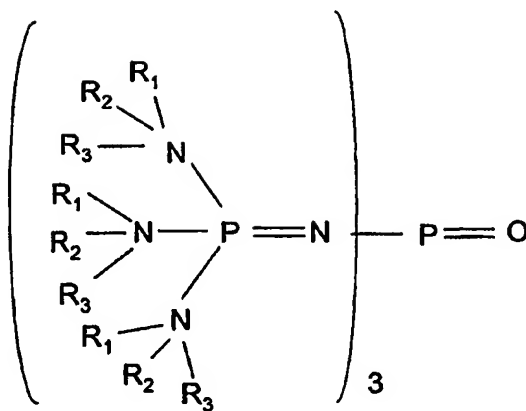
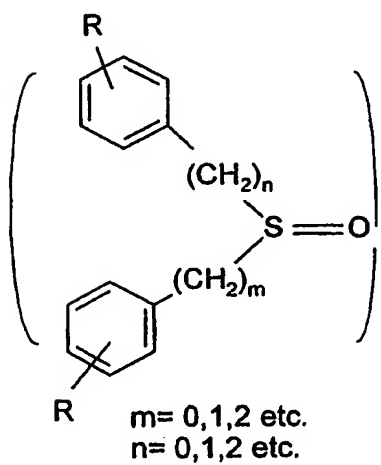
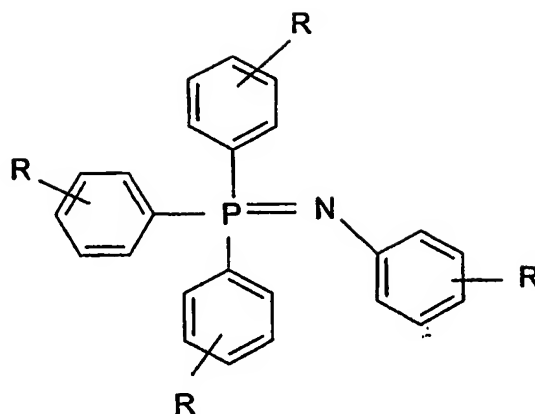
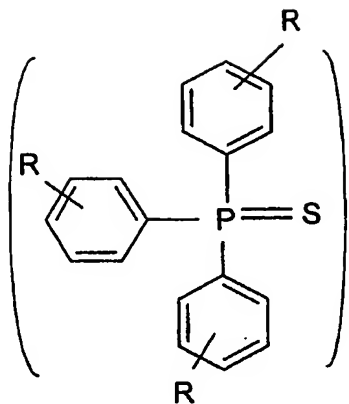


Fig. 14

15/23

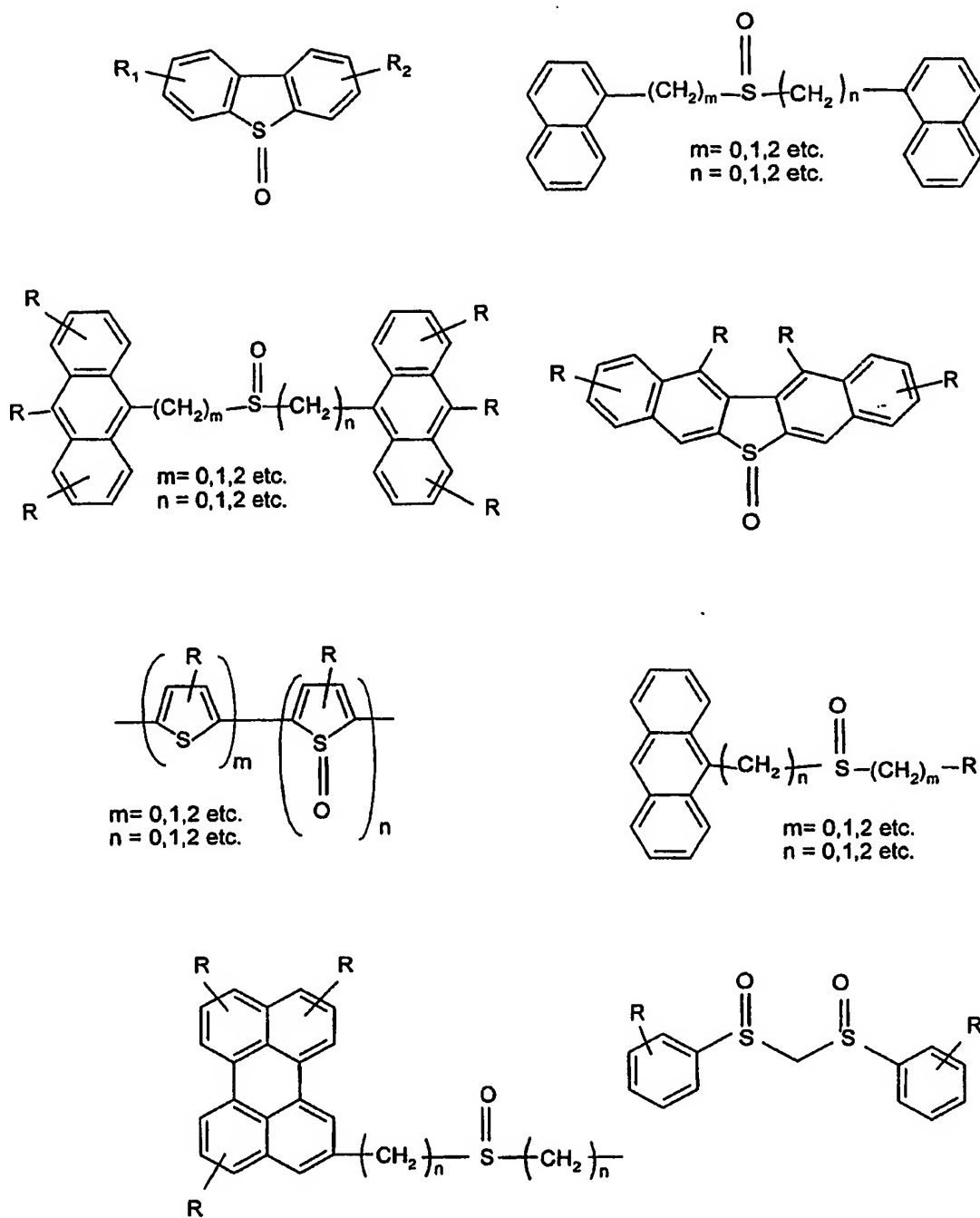
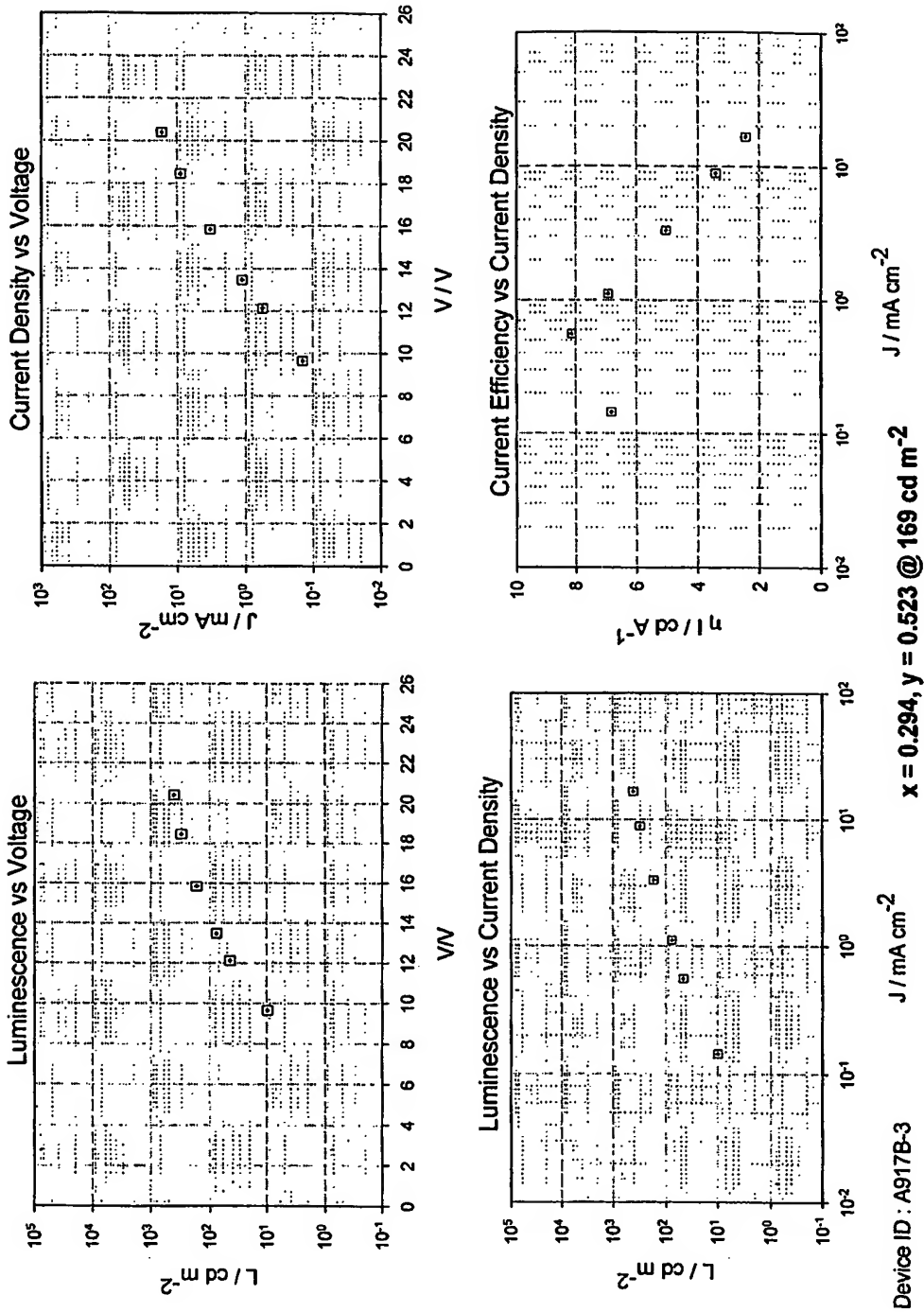


Fig. 15

537315

16/23

ITO (H)/ α -NPB (75 nm)/Tb(pyr)₃OPNP (50 nm)/BCP (20 nm)/Alq₃ (40 nm)/LiF (0.5 nm)/Al



Device ID : A917B-3

$J / \text{mA cm}^{-2}$

$x = 0.294, y = 0.523 @ 169 \text{ cd m}^{-2}$

$J / \text{mA cm}^{-2}$

Fig. 16

17/23

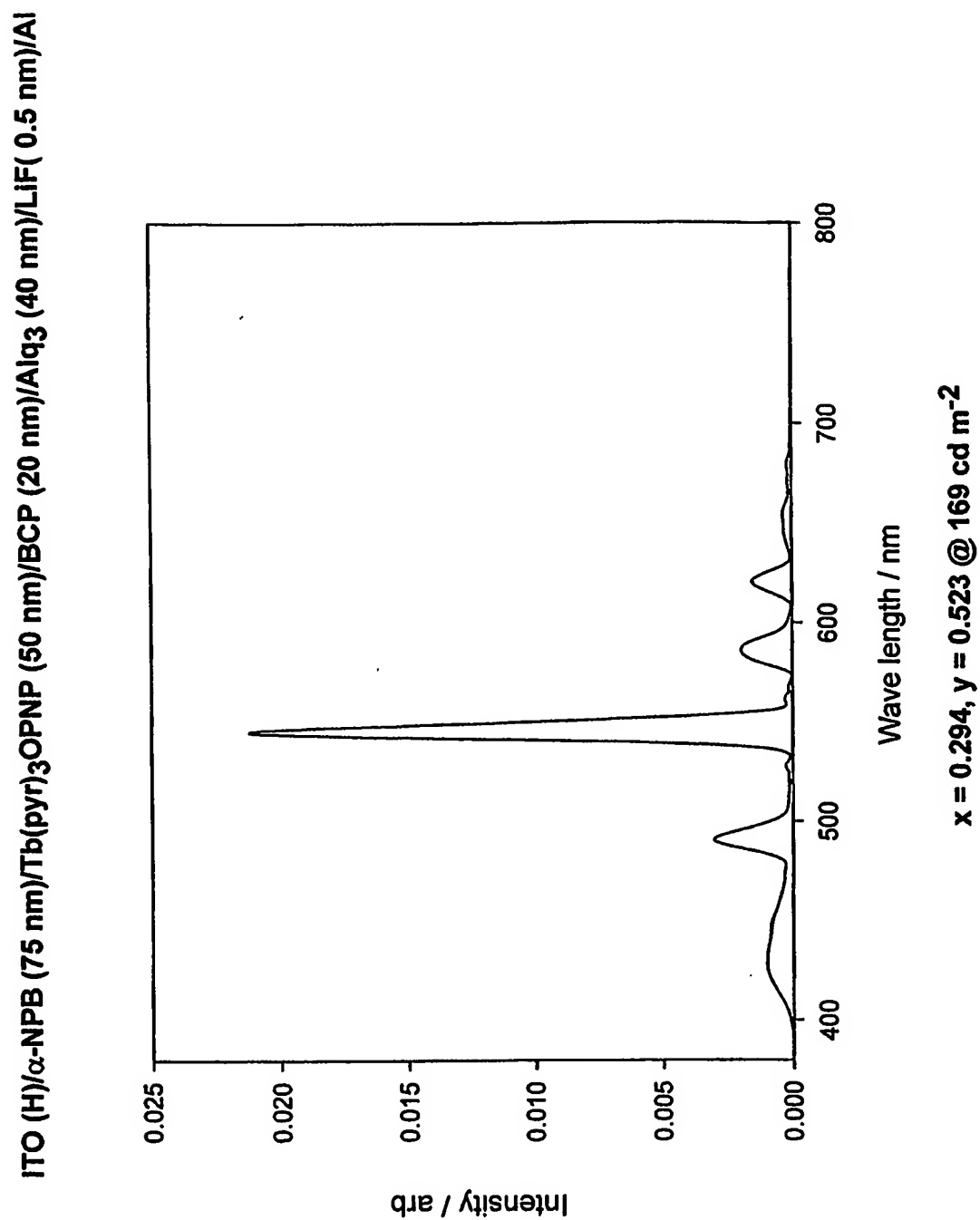


Fig. 17

18/23

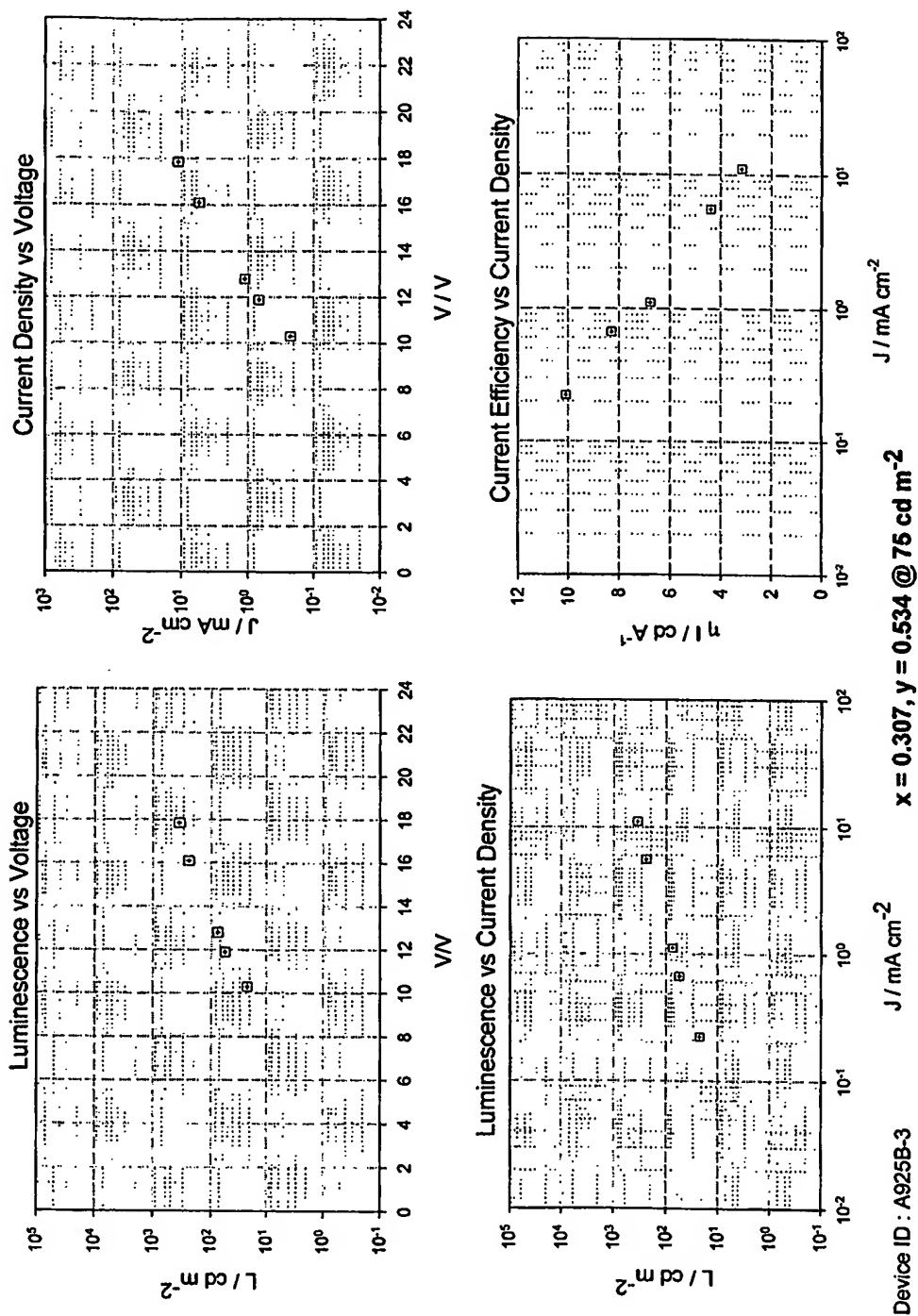
ITO (H) α -NPB (10 nm)/Tb(pyr)₃OPNP (50 nm)/BCP (20 nm)/Alq₃ (40 nm)/LiF (0.7 nm)/Al

Fig. 18

19/23

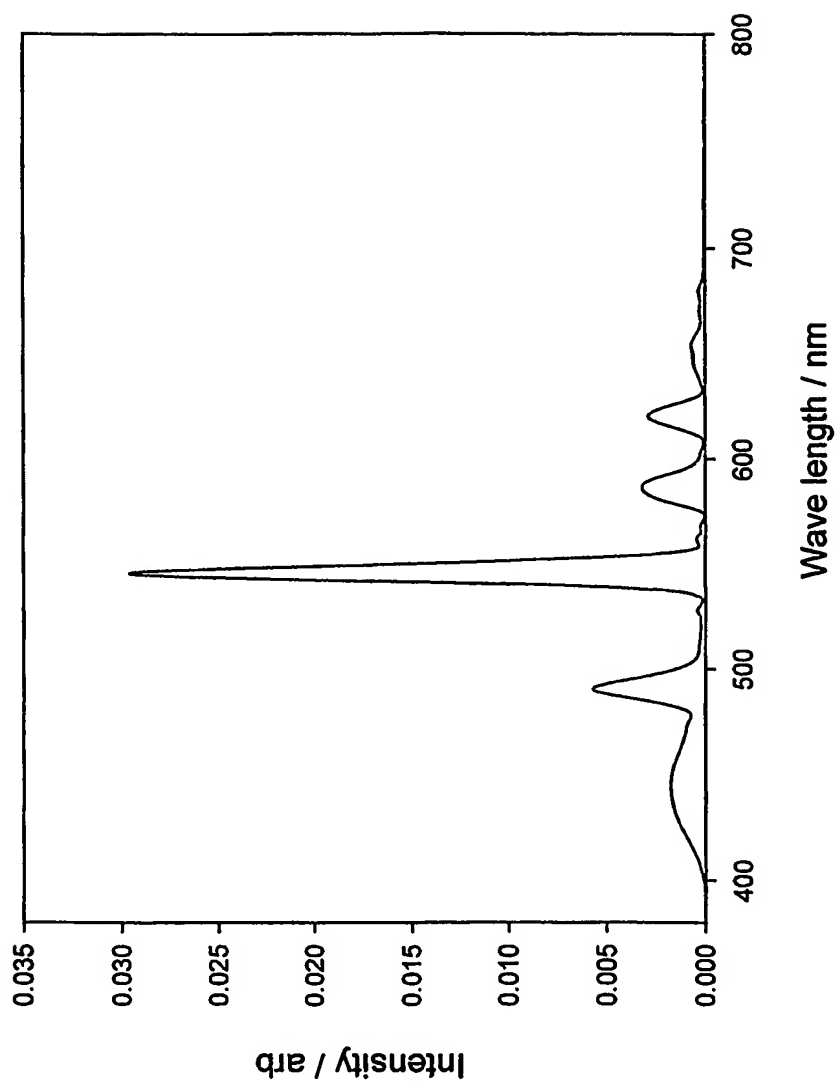
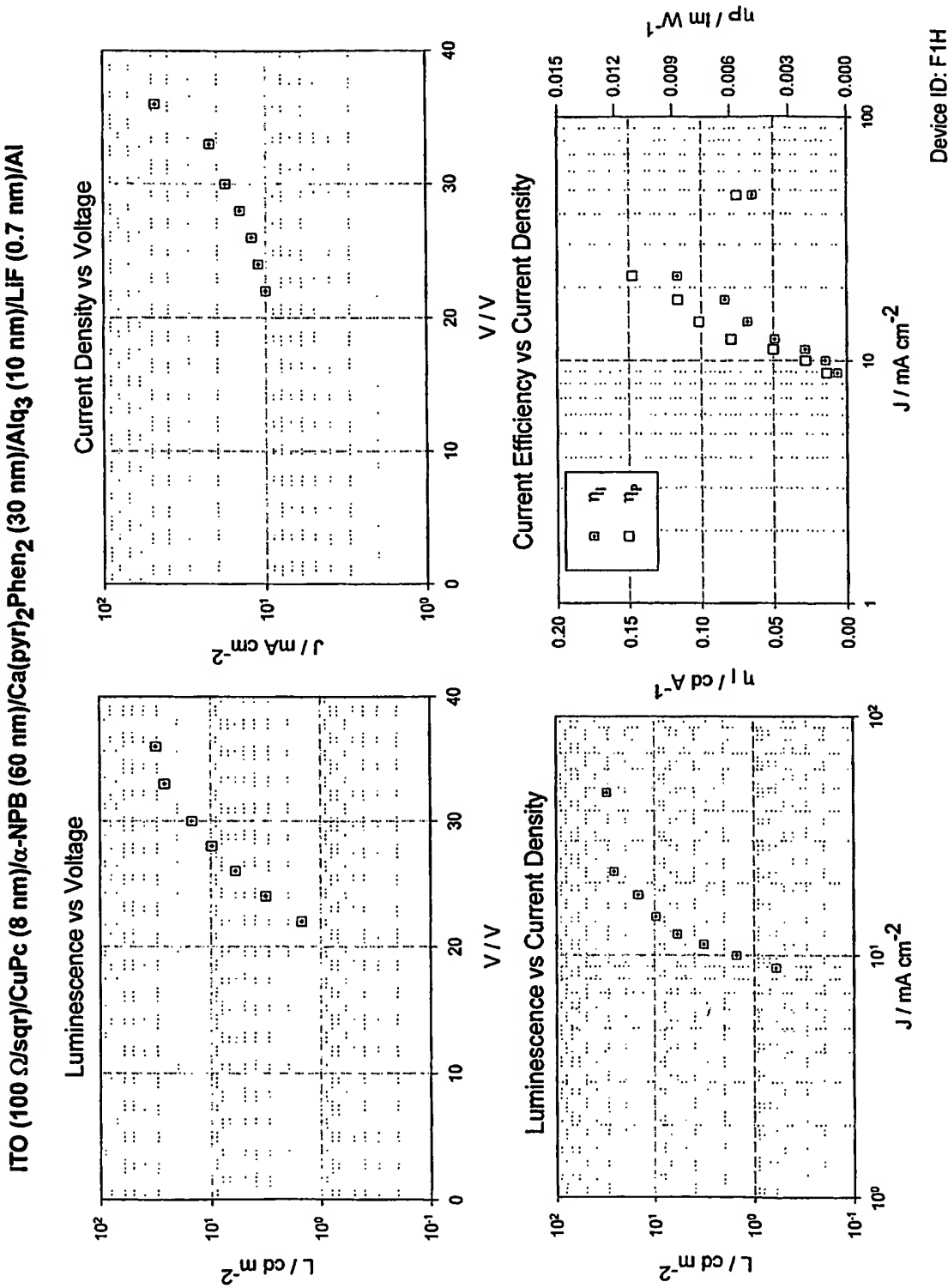
ITO (H)/ α -NPB (10 nm)/Tb(pyr)₃OPNP (50 nm)/BCP (20 nm)/Alq₃ (40 nm)/LiF (0.7 nm)/Al $x = 0.307, y = 0.534 @ 75 \text{ cd m}^{-2}$

Fig. 19

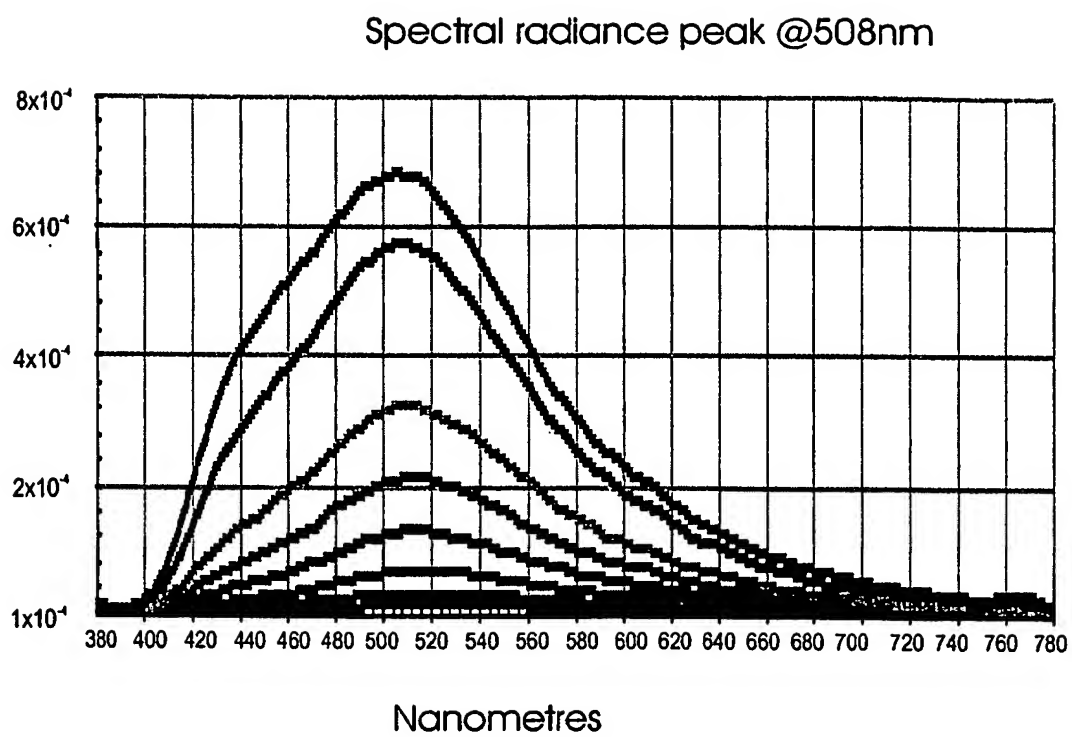
20/23



Device ID: F1H

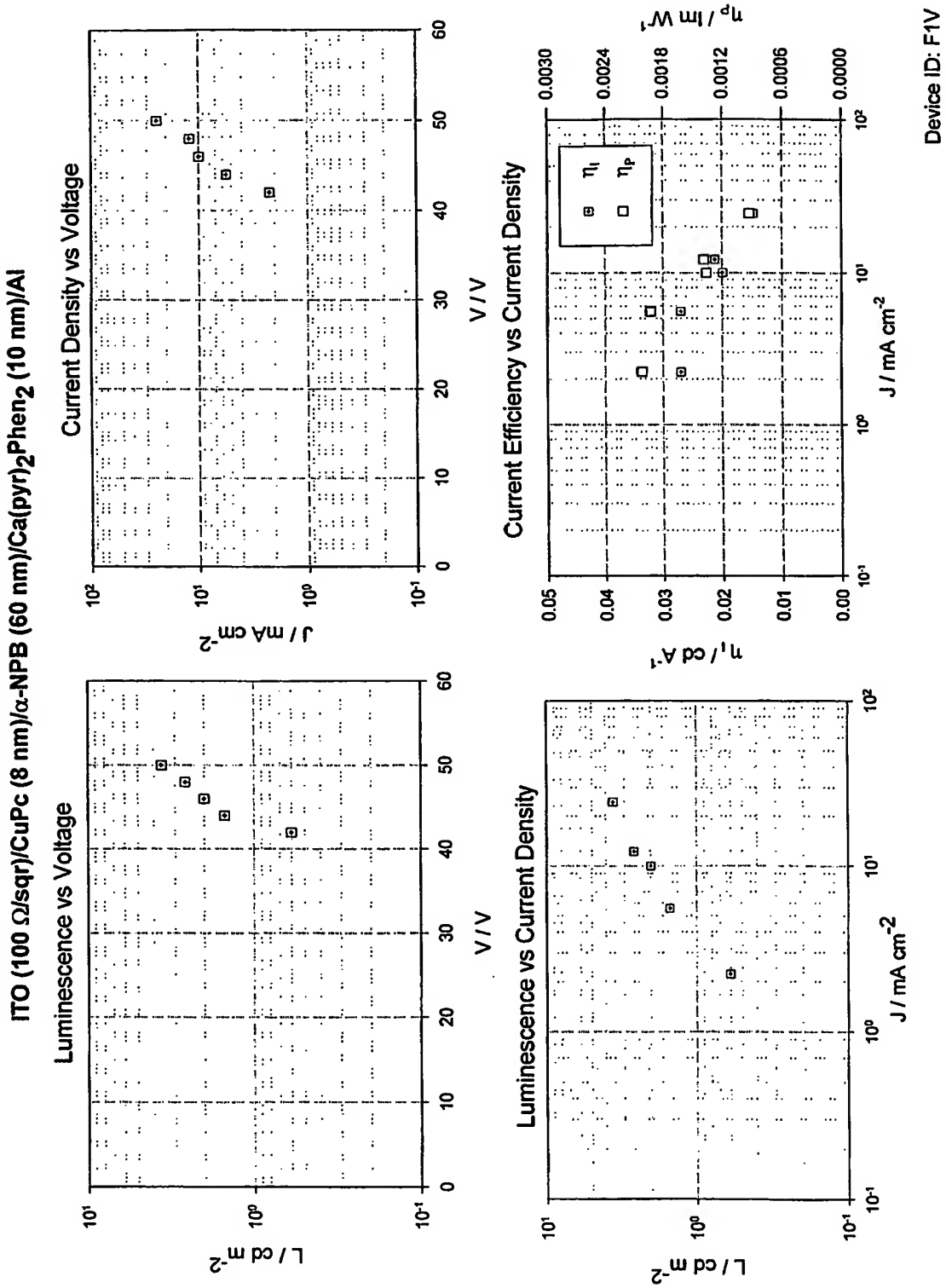
Fig. 20

21/23



Device 3

Fig. 21

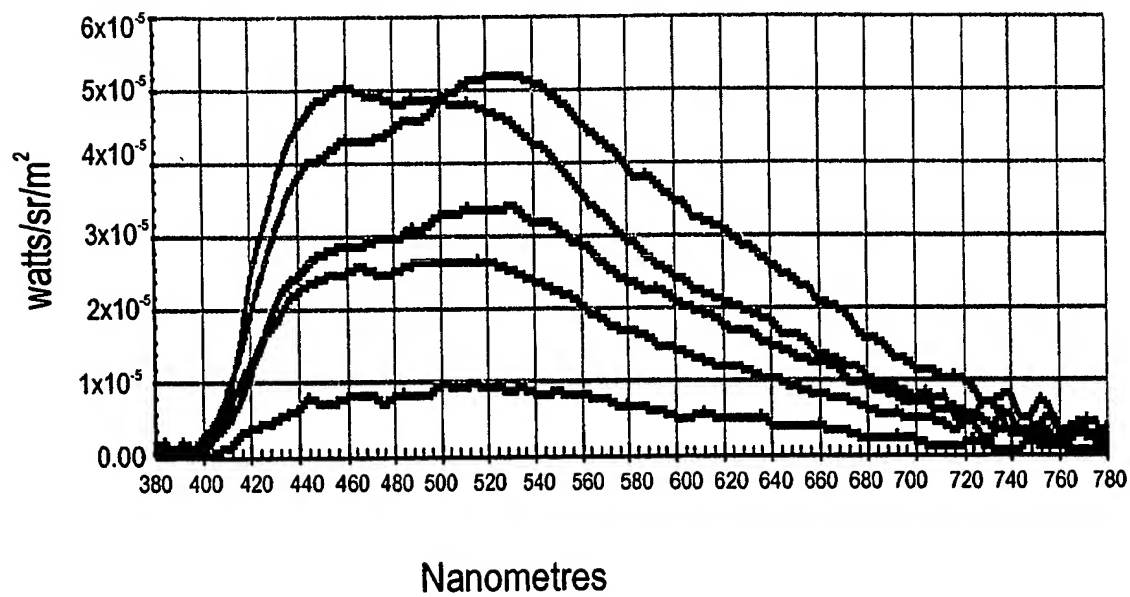


Device ID: F1V

Fig. 22

23/23

Spectral radiance Peak @ 536nm



Device 4

Fig. 23